Fleet Assessment Support Tool

Program Requirements and Status

17 September 2002

Outline

- Accomplishments and Status
- Draft Requirements
- Program Design Status
- Plan of Action and Milestones
- Questions and Comments

Accomplishments and Status

- Identified the program requirements
- Designed the database
- Identified Navy data sources
- Applied for CDMD-OA & 3M access
- Researched and identified requirements for TFWeb
- Identified and contacted CNET TFWeb technicians for assistance
- Made significant progress on FAST program design

Draft Requirements

- The FAST program will be NMCI and TFWeb enabled.
  - FAST will be written in C# using Microsoft .Net platform.
  - The C# FAST program is going to output XML/XSL which produces HTML
  - FAST will be a Content Integration Portlet, which is the highest level of UI integration into TFWeb.
- The FAST program will create 2-Kilos
  - FAST will download SCLSIS data from CDMD-OA.
  - FAST will download the CSMP data located on the 3-M database.
  - FAST will allow technicians to input equipment data and create 2-Kilos.
  - FAST will be able to use the ship's ICAS data where applicable.
  - FAST will allow tracking of training hours.
  - FAST will provide for generation of TFBR's and PMS Feedback reports

Draft Requirements (continued)

- FAST will order parts using data from SCLSIS, CSMP, FEDLOG, GDAPL, CRAMSI, RRAM, and Goldisk.
- FAST will write reports to file or printer.
  - Daily summary, parts report, end of visit, etc.
- FAST will create file of 2-Kilos for upload to CSMP.
  - Both SNAP and OMMS-NG.
- FAST will create 4790-CK.
- FAST will store assessment visits data and provide sorting features.

Draft Requirements (continued)

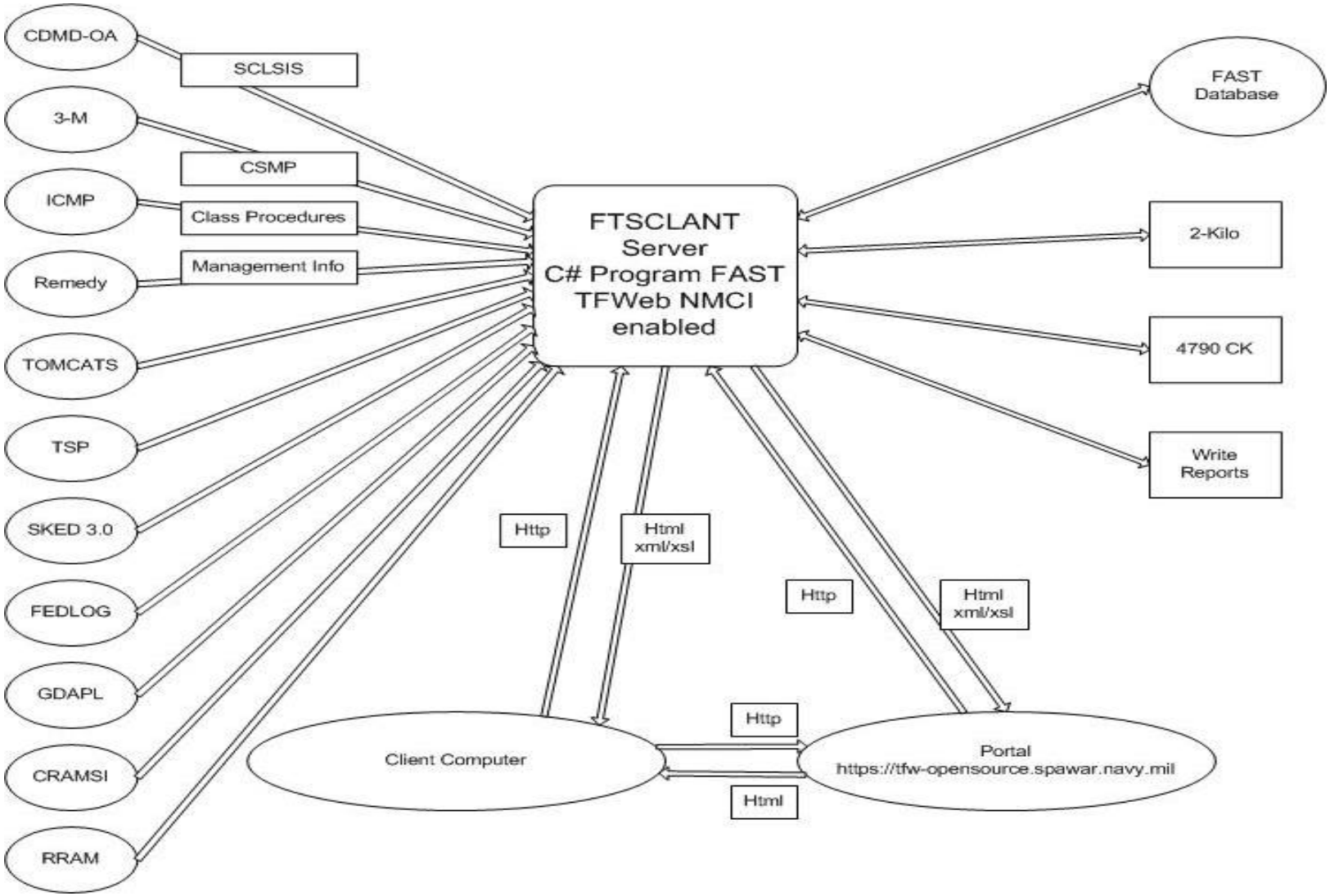
- FAST will interact with legacy databases
  - Remedy - a Management Information System
  - ICMP – Integrated Class Maintenance Plans
  - TSP – Troubled Systems Program
  - SKED 3.0
  - TOMCATS
- FAST program will assist in managing assessment visits.
  - FAST will print ship visit requests.
  - FAST will print the test plan.
  - FAST will print applicable MRCs.
  - FAST will print the completion report.

FAST

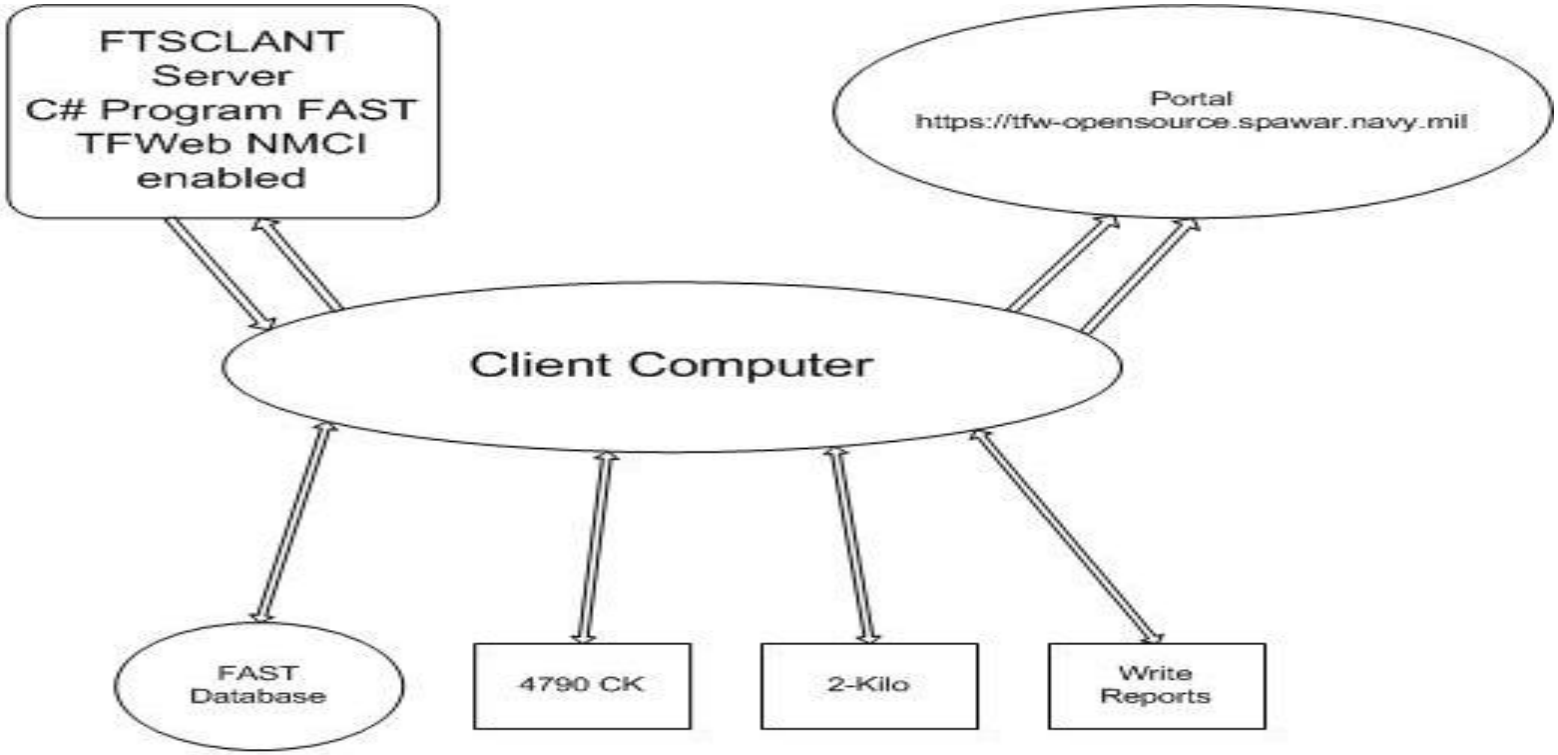
Program Design

- The FAST program will be written in C#, using SQL Server for the FTSCLANT database and Access for the client computers, in a Windows 2000 operating system.
- The design will be of an open architecture
- The user interface will be separate from the main program logic for modularity and upgradeability.
- Legacy programs will be used as a template for the user interface

FAST Concept Overview

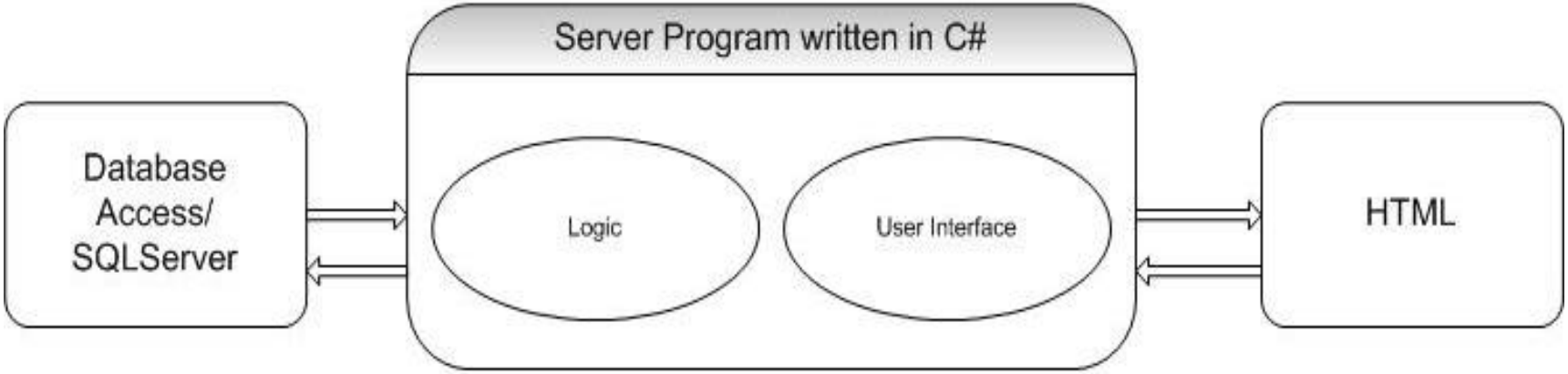


FAST Client Architecture



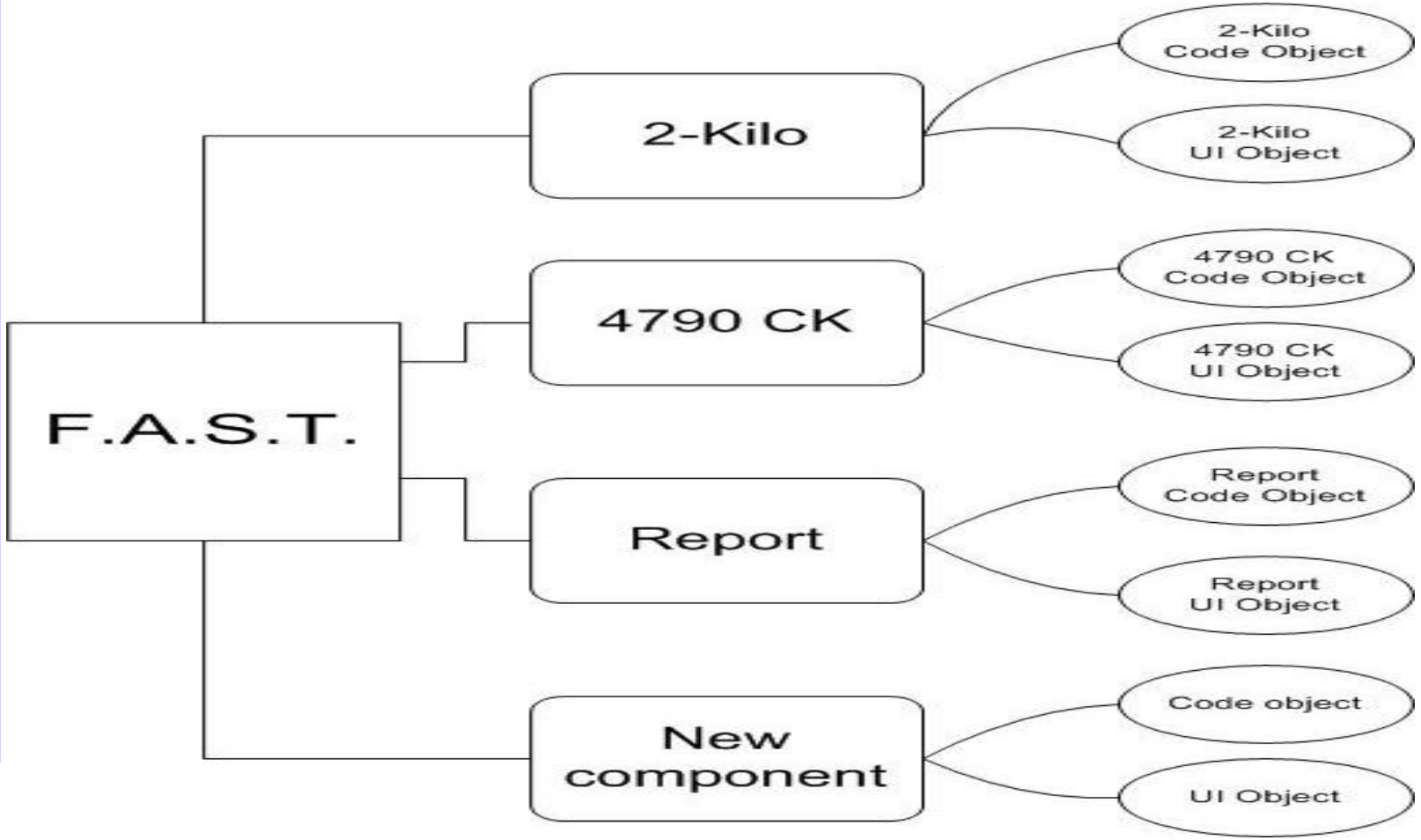
The Client computer does not have to connect to the internet to use the F.A.S.T. program. The Client computer has the same F.A.S.T. program as the FTSCLANT server.

Program 3-Tier Architecture



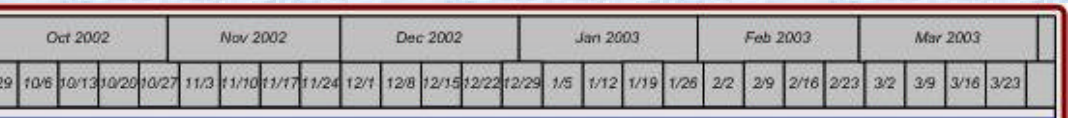
Each form will have a logic object and User Interface object. By separating the logic from User Interface the code will be easier to read and maintain. By making each form an object the program will be modular and able to grow or shrink with minimal work.

Object Design



Plan of Action and Milestones

ID	Task Name	% Complete	Start	Finish	Duration
1	F.A.S.T. Program	0%	8/1/2002	4/7/2003	178d
2	Establish Requirements	75%	8/1/2002	9/12/2002	31d
3	Software Design Effort	30%	9/2/2002	11/8/2002	50d
4	Database Schema Redesign	90%	9/2/2002	9/13/2002	10d
5	Logic Design	15%	9/16/2002	10/11/2002	20d
6	User Interface Design	0%	10/11/2002	11/7/2002	20d
7	Critical Design Review	0%	10/31/2002	10/31/2002	0d
8	Software Development	0%	9/16/2002	4/1/2003	142d
9	Coding logic	0%	9/16/2002	12/23/2002	71d
10	4790 CK	0%	9/16/2002	12/23/2002	71d
11	2-Kilo	0%	9/16/2002	12/23/2002	71d
12	User Interface Development	0%	12/23/2002	3/31/2003	71d
13	Reports	0%	12/23/2002	1/31/2003	30d
14	Test Software	0%	1/15/2003	4/1/2003	55d
15	Pre-planned Product Improvement	0%	2/17/2003	5/1/2003	54d



Questions and Comments